

Fortieth College Year.

RUSH MEDICAL COLLEGE,

CHICAGO, ILL.

ANNOUNCEMENT

OF THE

SPRING COURSE OF LECTURES,

AND OF THE

PRACTITIONERS' COURSE OF LECTURES.

1882.

CHICAGO :

TUCKER, NEWELL & Co., PRINTERS.

1882.

FACULTY.

J. ADAMS ALLEN, M.D., LL.D., PRESIDENT,

Professor of the Principles and Practice of Medicine,
1456 Michigan Avenue.

DELAASKIE MILLER, PH. D., M.D.,

Professor of Obstetrics and Diseases of Children,
2011 Wabash Avenue.

MOSES GUNN, M.D., LL.D.,

Professor of the Principles and Practice of Surgery and Clinical Surgery,
2101 Cabernet Avenue

JOSEPH P. ROSS, A.M., M.D.,

Professor of Clinical Medicine and Diseases of the Chest,
428 West Washington Street.

WILLIAM H. BYFORD, A.M., M.D.,

Professor of Gynecology,
125 State Street.

EDWARD L. HOLMES, A.M., M.D.,

Professor of Diseases of the Eye and Ear,
207 S. Clark St., N. E. cor. of Adams Street.

HENRY M. LYMAN, A.M., M.D.,

Professor of Physiology and of Diseases of the Nervous System,
533 West Adams Street.

JAMES H. ETHERIDGE, A.M., M.D., SECRETARY,

Professor of Materia Medica and of Medical Jurisprudence,
1634 Michigan Avenue.

CHARLES T. PARKES, M.D.,

Professor of Anatomy, Descriptive and Surgical,
125 State Street.

WALTER S. HAINES, A.M., M.D.,

Professor of Chemistry and Toxicology.
Rush Medical College.

JAMES NEVINS HYDE, A.M., M.D.,

Professor of Skin and Venereal Diseases,
117 S. $\frac{1}{2}$ Clark Street.

JOHN E. OWENS, M.D.,

Professor of Orthopædic Surgery, and Lecturer on Surgery,
1806 Michigan Avenue.

ISAAC N. DANFORTH, M.D.,

Professor of Pathological Histology and Lecturer on Renal Diseases,
349 West Adams Street

FRANCIS L. WADSWORTH, M.D.,

Adjunct Professor of Physiology,
131 Dearborn Avenue

NORMAN BRIDGE, M.D.,

Adjunct Professor of the Principles and Practice of Medicine,
81 Throop Street.

J. SUYDAM KNOX, A.M., M.D.,

Adjunct Professor of the Diseases of Children, and Lecturer on Therapeutics.

19 Loomis Street.

DANIEL T. NELSON, A.M., M.D.,

Adjunct Professor of Gynecology.

2400 Indiana Avenue.

PROF. T. D. FITCH, M.D.,

296 West Monroe Street.

P. ADOLPHUS, M.D.,

638 West Washington Street.

Clinical Adjuncts to the Chair of Gynecology.

A. B. STRONG, A.M., M.D.,

Demonstrator, and Lecturer on Anatomy,

533 West Monroe Street.

E. FLETCHER INGALS, A.M., M.D.,

Lecturer on Diseases of the Chest and Physical Diagnosis,

188 South Clark Street.

LAFAYETTE W. CASE, M.D.,

Lecturer on Dermatology,

332 Division Street.

EDW. WARREN SAWYER, A.M., M.D.,

Lecturer on Obstetrics and Diseases of Children,

3701 Vincennes Avenue

D. W. GRAHAM, A.M., M.D.,

Assistant in Clinical Surgery.

W. S. HARROUN, A.M., M.D.,

JOHN A. ROBISON, A.M., M.D.,

Assistants to the Chair of Clinical Medicines.

E. W. WHITNEY, A.B., M.D.,

Assistant to the Chair of Anatomy.

WM. T. BELFIELD, A.M., M.D.,

Demonstrator of Physiology.

LEWIS L. MCARTHUR, M.D.,

W. H. TAYLOR, A.B., M.D.,

Demonstrators of Chemistry.

F. E. SHERMAN, M.D.,

Assistant Demonstrator of Anatomy.

A. C. COTTON, M.D.,

Demonstrator of Materia Medica.

CHARLES G. SHIPMAN, M.D.,

Registrar of the Surgical Clinic.

ROBT. S. HALL, M.D.

MR. FRANK JORDAN GOULD, COLLEGE CLERK.

PRACTITIONERS COURSE.

1882.

The Practitioners' Course of Lectures in this College will commence on Tuesday, April 4, 1882, and will conclude on the second of the following May, thus continuing four weeks.

The Faculty desire to announce distinctly that this Course is for the special benefit of practitioners of medicine, graduates or non-graduates, and is wholly distinct from the lectures to students in the college curriculum. A certificate of attendance, signed by the President and Secretary of the Faculty of the college, is granted at the conclusion of the course, to previous graduates in medicine.

The upper auditorium of the college building will be devoted exclusively to the use of practitioners during these lectures, which will thus be entirely separate from the annual spring course attended by students in the lower amphitheater. A requisite portion of the dissecting room will also, during the month, be exclusively allotted to those in attendance who desire to dissect or to perform the operations of surgery. An abundance of material, both for operations and dissections, will be supplied at cost.

Lectures will be given by the Faculty on the subjects named below :

Prof. Miller, on Practical Subjects in Obstetrics.

Prof. Gunn, on Dislocations of Hip and Shoulder, and some of the more important Fractures and Operations, with Practical Demonstrations.

Prof. Ross, on the methods of Clinical Investigation of Diseases of the Heart.

Prof. Holmes, on the Diagnosis and Treatment of Important Diseases of the Eye and Ear.

Prof. Lyman, on Obscure Diseases of the Nervous System.

Prof. Etheridge will present such subjects in connection with Gynecology as are of special interest to the General Practitioner.

Prof. Parkes, on External Surgical Landmarks, with Regional Demonstrations on the Body.

Prof. Haines, on Chemistry of the Urine.

Prof. Hyde, on the Skin and Venereal Diseases of most Frequent Occurrence.

Prof. Owens, on the Surgical Treatment of Diseases of the Joints, and the Adjustment and Uses of Apparatus for correcting Deformities.

Prof. Bridge, on Digestion and its Derangements in Adults and Children.

Prof. Knox, on New Remedies and New Uses of Old Remedies.

Four lectures will be given daily, between the hours of 8 A. M. and 12 M. From 2 to 4 P. M. of each day the regular college, dispensary, and hospital clinics will be held. At these clinics, seats will be reserved near the arena of the college amphitheater for practitioners in attendance, thus affording them the amplest opportunities for practical observation and study.

In addition to this, practical instruction will be given each day in Gynecology, by the clinical adjuncts of the chair, Profs. Etheridge and Nelson, and Dr. Adolphus. Facilities are thus extended for intimate personal examination of a large number of interesting cases in this department.

At the conclusion of the clinical hours, daily lectures will be given from 4 to 5 P. M. by Prof. Danforth, on the Diseases of the Kidneys; by Prof. Wadsworth, on Physiological and Histological Demonstrations by the Aid of the Microscope; and by Prof. Ingals, on the Use of the Laryngoscope in the Recognition of Diseases of the Larynx. These lectures will be in the form of practical demonstrations.

Fees for the entire course, including matriculation, clinical instructions, and use of dissecting room (material only extra, and at cost), thirty dollars. Tickets can be had at any time by applying to the Clerk of the College, Mr. Frank J. Gould, at the college building, corner of Wood and Harrison Streets, either in person or by letter. Seats can be secured by forwarding the matriculation fee to the Clerk of the College.

At the banquet given to the gentlemen in attendance, at the close of the Practitioners' Session, 1881, the following resolutions were presented to the Faculty:

RUSH MEDICAL COLLEGE, CHICAGO, ILL., April 28, 1881.

At a meeting of the Class of Practitioners, duly organized this day, the following resolutions were unanimously adopted:

That we recognize the necessity of adopting some systematic manner of attempting to keep pace with the progress of medical knowledge.

That the brief but comprehensive course of instruction just given at this Institution, by which we have been enabled to review the principal departments of medicine and surgery, meets our most cordial approval.

That we regard the course of such great value and importance that we hereby recommend it, and request its continuance.

Resolved, That our thanks are due, and are hereby respectfully tendered, to those who have so ably and so faithfully instructed us, and to the medical officers in charge of the several hospitals, and to many of the medical profession of this city, for courtesies shown.

Resolved, That a copy of these resolutions be presented to the Faculty at the banquet this evening by the chairman.

W. H. PHILIPS, M.D., Chairman.

J. A. MEAD, M.D., Secretary.

SPRING COURSE.

1882.

THE TWENTY-SECOND ANNUAL SPRING SESSION of Rush Medical College will begin on Wednesday, the 1st of March, 1882, and will continue sixteen weeks, closing Wednesday, June 21.

The Spring term in this College covers the field of medical instruction as thoroughly in all departments as the usual regular course of lectures in medical colleges ; but it cannot be ranked among the conditions of graduation as a substitute for attendance during the Winter term.

In addition to a complete course of lectures on all the important branches of medicine, especially good opportunities are offered during the Spring session for clinical observation, and for practical work in the dissecting room, and in the chemical and physiological laboratories.

That the importance of this course has been highly appreciated may be known from the fact that 126 students matriculated in the Spring term of 1878, 187 in that of 1879, 227 in that of 1880, and 254 in that of 1881.

At the close of each term, students will be examined and will receive certificates of attendance and grade of examination, marked on a scale of ten. The grade will indicate the average standing in all the departments attended. Students who prefer to devote attention to only a part of the branches taught, according to the schedule of studies presented on the next page may do so, and be relieved from examinations in other departments. In the studies taken a corresponding higher standing will be demanded for a given grade.

The Faculty desire that as many as possible of the matriculates of this institution shall pursue their studies in the college during three winter and three spring terms. To encourage this more extended curriculum of college study, final examinations in descriptive anatomy, physiology, chemistry, materia medica and therapeutics, are offered to three-years students at the end of the second winter session.

To every graduate who has studied three full winter terms and at least one spring term, will be awarded, in addition to the diploma, a certificate of honor, signed both by the Faculty of the college and by the Spring Faculty. All who intend to pursue this course are requested to signify such intention at the time of matriculation.

Students of the college, and those who are pursuing their studies elsewhere with the intention of completing their collegiate course at this institution, are urged to follow the schedule of lectures and studies presented below.

The daily order of lectures and clinics at the hospital and dispensaries will be arranged, as far as possible, in accordance with this schedule, not only to accommodate beginners, but also advanced students, and practitioners who desire to review their studies.

As the spring course has become a most important addition to the college work, the period of study required for graduation is divided into six terms. The schedule has been adapted to the wants and convenience of students during each period of their progress whether they are in the college or preparing to enter.

There is reason to believe that it is of far greater advantage to the student, during his collegiate course, to study and carefully review a single text-book in each department of medicine, than cursorily to read several. Students are, therefore, recommended to confine their reading to those text-books, and those portions of the same designated in this schedule as suitable for each term.

TEXT BOOKS FOR STUDY.

Gray's Anatomy. Heath's Dissector. Foster's Physiology. Attfield's Chemistry. Bartholow's Practice of Medicine. Druitt's Surgery, for beginners ; Gross' or Erichsen's, for advanced students. Byford's Obstetrics. Byford's Diseases of Women. Bartholow's Materia Medica. Green's Pathology. Williams' or Carter's Diseases of the Eye. Frey's Compendium of Histology. Smith on Diseases of Children. Flint's Clinical Medicine.

Practitioners who receive students are recommended to direct their studies in accordance with the following schedule, and to use the above text-books.

SCHEDULE OF STUDIES.

FIRST TERM—SPRING.

LECTURES :—*Anatomy*—Cells, Fibres, Membranes, Viscera, and Long Bones. *Physiology*—Blood, Circulation, Respiration. *Inorganic Chemistry*, with Laboratory work.

Dissection of the Viscera ; study of the Long Bones. Surgical Clinics at the College, Hospital and Dispensary.

SECOND TERM—WINTER.

LECTURES :—*General Anatomy—Materia Medica—Physiology—Alimentation, Digestion, Absorption. Inorganic Chemistry, with Laboratory Work. Surgery—Ulceration and Suppuration, and their results.*

Surgical Clinics. Dissection of the external soft parts. Study of the Bones. Practice in Auscultation and Percussion of the Normal Chest and Abdomen.

THIRD TERM—SPRING.

LECTURES :—*General Anatomy—Bones—External soft parts. Chemistry—Laboratory work—Analysis. Urinalysis. Physiology—Secretion, Nutrition, Movements. Surgery—Surgical Dressings and Appliances. Principles and Practice of Medicine—Congestion, Inflammation and its Results, Fever—Materia Medica.*

Exercises in normal and abnormal Auscultation and Percussion. Dissection of the external soft parts. Special Dissection of the Pelvis, and its organs, and of the Foetus. Medical and Surgical Clinics.

FOURTH TERM—WINTER.

LECTURES :—*General Anatomy—Regional Dissections, Brain and Spinal Column, Histology. Physiology—Nervous System, Reproduction. Organic Chemistry—Laboratory. Materia Medica, Surgery, Principles and Practice of Medicine, Obstetrics—Generation, Foetal Development, Normal Parturition.*

Exercises in bandaging and application of splints. Anatomy and Physiology of the Eye and Ear. Exercises in Auscultation and Percussion. Medical and Surgical Clinics. Pathology and Post Mortem Examinations.

(Final examinations in Descriptive Anatomy, Physiology, Chemistry, Materia Medica and Therapeutics for those who take three winter courses.)

FIFTH TERM—SPRING.

LECTURES :—*Anatomy, Physiology, Chemistry, Materia Medica, Surgery, Principles and Practice of Medicine, Obstetrics.*

Regional Dissections, Chemical Laboratory Work, Toxicology and Special Researches.

Clinics, general and special ; Diseases of Women and Children. Pathology and Post Mortem Examinations.

SIXTH TERM—WINTER.

All Lectures and Clinics, Regional Dissections, Post Mortem Examinations. General Review.

(Students who have passed the final examination in the elementary branches at the end of the fourth term, may devote their third year especially to the practical branches and to clinics.)

PRACTICAL CHEMISTRY.

The college is provided with a thoroughly furnished students' laboratory for practical chemistry.

Professor Haines will give a special course in practical chemistry, devoting to the work three afternoons of each week. The course will include a series of experiments in qualitative analysis, urinalysis and toxicology. The student will make the analyses and examinations himself, under the supervision of the Professor.

Since a course in practical chemistry has been made one of the requirements for graduation in this college, students will find the spring term a most convenient time for the pursuit of this study.

PRACTICAL ANATOMY.

The very best advantages for the practical study of anatomy, including osteology, will be afforded. Material in abundance will be provided.

PRACTICAL PHYSIOLOGY.

The Physiological Laboratory is abundantly supplied with microscopes and other apparatus for study, and will be open for work during the winter and spring courses. A course of lessons in Histology and Practical Microscopy will be given.

CLINICAL INSTRUCTION.

IN THE COLLEGE BUILDING.

A SURGICAL CLINIC will be given by Prof. Gunn every Saturday; a clinic ON DISEASES OF THE CHEST by Prof. Ross every Monday, and one ON DISEASES OF THE NERVOUS SYSTEM by Prof. Lyman, every Thursday; a MEDICAL CLINIC by Prof. Bridge, every Wednesday; and a clinic ON ORTHOPÆDIC SURGERY by Prof. Owens, every Saturday, immediately after Prof. Gunn's clinic, all continuing throughout the year.

DISEASES OF CHILDREN.

Prof. Miller, aided by Adjunct Prof. J. S. Knox, will also give before the entire class in the amphitheater, one special clinic, each week throughout the year, on DISEASES OF CHILDREN.

GYNECOLOGY.

Prof. Byford, with Profs. D. T. Nelson and T. D. Fitch and Dr. P. Adolphus, will hold a daily clinic in the college building, for the special instruction of the graduating class in CLINICAL GYNECOLOGY.

The class will be so subdivided into small sections that each student will have extensive opportunities for the practical study of this important subject.

In addition to these daily clinics, before small sections of the graduating class, there will be given each week one public clinic, when the most interesting cases will be presented.

SKIN AND VENEREAL DISEASES.

Prof. Hyde will give a clinic on SKIN AND VENEREAL DISEASES at 3 P. M., of every Tuesday throughout the year, in the upper amphitheater of the building. The extensive collection of plates and photographs, lately purchased by the college, has been arranged in cabinets, on the same floor and adjacent to the amphitheater, with especial view to the illustration of this department.

Prof. Hyde, with the assistance of Dr. W. J. Maynard, will also give private instruction in Skin and Venereal Diseases, with a view to the practical study of these subjects by the aid of clinical material.

DISEASES OF THE EYE AND EAR.

Prof. Holmes, with the assistance of Dr. W. T. Montgomery, will give every Wednesday, throughout the year, a clinic, in the amphitheater, on DISEASES OF THE EYE AND EAR.

Prof. Holmes will also give private instruction in the use of the ophthalmoscope, the adaptation of spectacles, and methods of examining the ear.

THE COUNTY HOSPITAL.

(Opposite the College Building.)

The hospital, standing on a block of twelve acres of land, was erected at a cost of nearly half a million dollars.

The amphitheater of the hospital, with a seating capacity for six hundred persons, is the clinic room in which all the surgical, medical and special clinics are held. More than two thousand patients were treated at the hospital during the past year; nearly two hundred important surgical operations were performed, of which forty were capital amputations.

In the rear of the amphitheater is the Mortuary or Necropsy Amphitheater, in which are held all the post-mortem examinations

of the hospital. Most ample opportunities will be given for the complete study of the gross as well as of the microscopical appearances produced by disease.

*AT THE ILLINOIS CHARITABLE EYE AND EAR INFIRMARY,
Corner of Peoria and Adams Streets.*

This large institution affords almost unlimited facilities for the clinical study of Diseases of the Eye and Ear.

During the past year more than 2,100 patients received treatment at the Infirmary; 270 operations were performed.

Regular clinics will be given during each week of the session by Drs. Holmes and Hotz.

AT THE CENTRAL DISPENSARY.

Extraordinary opportunities are offered to students and practitioners for clinical instruction at the Central Free Dispensary, which occupies the first floor of the college building. More than six thousand different patients received treatment in this dispensary during the past year. Patients are classified according to their diseases. Every opportunity is afforded for the study of specialties.

One clinic will be given weekly, by each of the following named gentlemen :

Drs. E. F. Ingals and J. A. Robison, on DISEASES OF THE CHEST AND THROAT ; Drs. W. J. Maynard and R. D. MacArthur, on SKIN AND VENEREAL DISEASES ; Dr. R. S. Hall, on DISEASES OF CHILDREN ; Drs. E. B. Loomis and D. W. Graham, on SURGERY ; Drs. W. T. Montgomery and E. W. Whitney, on DISEASES OF THE EYE AND EAR ; Drs. Brophy and Talbot, on DENTAL SURGERY.

PRACTICAL OBSTETRICS.

The Lying-in Department of the Central Free Dispensary is organized under the immediate care of Dr. P. Adolphus.

Advanced students will have opportunities for the study of practical obstetrics at the bedside.

DISEASES OF THE TEETH AND MOUTH.

Drs. T. W. Brophy and E. S. Talbot will give three weekly clinics in this department of the dispensary.

A large number of cases are treated at these clinics, which are of no less interest and practical importance to the student of medicine and surgery than to the dentist.

HOSPITAL INTERNES.

Positions of Internes in the Cook County Hospital, and the St. Luke's Hospital, are open each spring to students who graduate and pass a competitive examination held by the respective hospital staffs.

The occupants of these positions receive their board and lodging, and secure an extensive experience in every department of practical medicine and surgery.

EXAMINATIONS.

The regular examinations for a degree are held only once annually, during the last week of the winter session.

Students, however, who will enter the college for at least three full winter terms of study may receive their final examination in Descriptive Anatomy, Physiology, Chemistry, Materia Medica, and Therapeutics at the close of the second winter term. This will enable them to devote special attention to clinics and the practical branches during the third winter session. Those students who take the three winter courses and desire to be examined in the elementary branches, as above indicated, will be required to advance one-half of the examination fee.

Students who have failed in their examination for the degree of Doctor of Medicine may receive their diplomas at the close of the spring term on passing a second examination in those branches in which they were deficient. There will be no fee for the second examination.

FEES FOR THE ANNUAL WINTER COURSE.

| | | | | |
|---|---|---|---|--------|
| Matriculation fee (good till the following March), | - | - | - | \$5 00 |
| Lecture fees for the course, | - | - | - | 75 00 |
| Admission to the dissecting room till the following March— | | | | |
| material at cost price, | - | - | - | 5 00 |
| Admission tickets are issued only to holders of the general ticket. | | | | |

| | | | | |
|--|---|---|---|-------|
| Practical chemistry—chemicals at cost price, | - | - | - | 5 00 |
| Examination for degree—fee not returnable, | - | - | - | 30 00 |

Three-years students, examined at the end of their second winter, must advance one-half of this fee.

(There is no graduation fee.)

From Alumni of this college, and from its students who have taken and paid for two full courses of lectures, the matriculation fee only (\$5 00) will be expected. From Alumni of other respectable medical colleges the matriculation fee and one-half lecture fee will be required.

| | |
|---|--------|
| Tickets for Cook County Hospital (good till the following March) and for the Eye and Ear Infirmary—good for one year, each, - - - - - | \$5 00 |
|---|--------|

FEES FOR THE ANNUAL SPRING COURSE. .

| | |
|--|--------|
| Matriculation fee (good till the following March), - - - | \$5 00 |
| Lecture tickets, - - - - - | 20 00 |

This amount will be deducted from the fees of the next following winter season.

Graduates of the college are admitted on payment of the matriculation fee only; graduates of other regular medical colleges on payment of matriculation fee and ten dollars.

| | |
|---|------|
| Fee for Practical Chemistry (students will also pay cost price for chemicals used), - - - - - | 5 00 |
|---|------|

| | |
|--|------|
| Admission to the dissecting room—material at cost price, - | 3 00 |
|--|------|

| | |
|---|------|
| Tickets for the Cook County Hospital, and for the Eye and Ear Infirmary—good for one year—each, - - - - - | 5 00 |
|---|------|

DIRECTIONS TO STUDENTS.

Students will matriculate, and obtain their tickets at the college, from the Treasurer, Professor Gunn, or from Mr. Frank J. Gould, the College Clerk.

Students may select their seats in the lecture rooms when they take their tickets, or the Treasurer will select for them, on receipt of the matriculation fee previous to the opening of the session ; *but seats thus pre-empted, if not occupied before the end of the second week of the winter term, will be forfeited and assigned to students who are present to occupy them.*

The College Clerk may be seen in the college building, and will aid in obtaining boarding places, rooms, etc.

For further information address the Secretary, Prof. J. H. Etheridge, M. D., 1634 Michigan Avenue.

BOARD AND ROOMS.

Good board, with rooms, and all the usual accommodations, can be obtained at rates varying from \$3 00 to \$5 00 per week. By associating in clubs, students may supply themselves with good accommodations at a material reduction from ordinary rates. Day board, \$3 00.

ADMISSION TO THE COLLEGE.

Practitioners are urged to advise young men not to enter upon their professional studies till they have fully qualified themselves for this important step. *County and district medical societies are requested to take special interest in this subject, for the Faculty believe that on the practitioners of the country, as well as on the medical colleges, rests the responsibility of advancing the standard of scholarship in the profession.*

The Faculty will be under obligations to any one who will send to the college the Annual Announcement for any year previous to 1850 ; also those for 1854-55 and 1860-61.

The following is the Secretary's report for the year, read at the last commencement exercises :

SECRETARY'S REPORT.

During the session just closed there were in attendance at this college, 170 gentlemen in the graduating class, 319 under-graduates, and 16 students pursuing special studies, making a total of 505 matriculates. The number of students attending lectures during the past five years has been :

| | | | | | | | |
|-------------|---|---|---|---|---|---|-----|
| In 1876-77, | - | - | - | - | - | - | 306 |
| In 1877-78, | - | - | - | - | - | - | 382 |
| In 1878-79, | - | - | - | - | - | - | 364 |
| In 1879-80, | - | - | - | - | - | - | 471 |
| In 1880-81, | - | - | - | - | - | - | 559 |

When, to the number of students of this season, is added the number of matriculates present in the Practitioners' Session, to be held in April, it will be seen that by far the largest number of matriculates ever recorded in any one fiscal year, in a medical college in the West, will be contained in our announcement for 1881-2. (The number of matriculates contained in the announcement for 1881-2 was 559.)

The subject of preliminary education of medical students is adjusting itself. The Faculty have always maintained that reforms in medical education must be accomplished by slow and steadily advancing steps. Accordingly, for years, our announcement has contained a special clause, conspicuously placed, admonishing the

profession of its responsibility in allowing students insufficiently educated to commence the study of medicine, to enter their offices, and urging all physicians to require good preliminary education in all students. The result of this has been most conspicuously manifested in the present class, 74 per centum of whom presented the required evidence of holding higher degrees from literary colleges, or teachers' certificates from county superintendents of schools. Five years ago there was only 28 per centum of the graduating class presenting such evidence of preliminary education. When the time arrives for a preliminary examination, the matter will have been so easily accomplished that scarcely any one will believe that so great an advance could be consummated with so little commotion.

Another improvement that is being brought about without a ripple of excitement and with the greatest ease, because accomplished *gradatim*, is the lengthening of the time spent in college by students. A comparative statement of the number of students five years ago who remained in college two years and three years, and of those now in college for similar periods of time, reveals a fact as astonishing as it is gratifying, because these protracted courses in college are *wholly* voluntary. It is scarcely necessary to explain that a "year" means from October 1st till the last week in June—a period of 9 months, including the winter and spring sessions.

In 1876-7 there were 3 three-years, and 36 two-years students present.

In 1880-1 there were 33 three-years, and 146 two-years students present.

During the past year a Demonstrator of Materia Medica has been added to the teaching force of the college. The wisdom of such a step is so incontestable that this feature of practical instruction will be not only continued but will be amplified.

The total number of lectures, didactic and clinical, and the hours spent in laboratory work aggregated 2,120 working hours in the college during the past college year. By adding the number of hours spent in the various hospitals and consumed in dissections and in the various partial demonstrations incident to medical college work, this number will be increased to about 4,000 hours.

JAMES H. ETHERIDGE,

Secretary.